

# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Released: July 7, 2003  
For Week Ending: July 6, 2003  
ND-CW2703

Cooperating With:  
NDSU EXTENSION SERVICE,  
FARM SERVICE AGENCY,  
ND AG WEATHER NETWORK (NDAWN) and  
UND AEROSPACE REGIONAL WEATHER  
INFORMATION CENTER

**General:** Crop conditions continue to be rated much better than last year, according to the North Dakota Agricultural Statistics Service. The weather cooperated for many producers trying to catch up on spraying. By week's end, spraying for broadleaf weeds was 94 percent complete and wild oats spraying was 97 percent complete. Isolated thunderstorms did cause some local hail and wind damage. A statewide average of 5.8 days were suitable for fieldwork.

Statewide average topsoil moisture supplies on July 6 were rated 3 percent very short, 13 short, 71 adequate and 13 surplus. This compares to 21 percent very short, 24 short, 50 adequate and 5 surplus at the same time last year. Subsoil moisture supplies on July 6 were rated 3 percent very short, 14 short, 71 adequate and 12 surplus compared to 20 percent very short, 24 short, 51 adequate and 5 surplus last year.

**Crops:** Warm, dry conditions last week continued to push small grain crop development ahead of last year and the five-year (1998-2002) average. As of July 6, 62 percent of the hard red spring wheat crop was headed and beyond, compared to 37 percent the previous week and the average of 52 percent. Durum wheat, oats and barley were 27, 61 and 65 percent headed and beyond, respectively. All were ahead of last year and the average.

Small grain condition ratings continue to be better than last year. Spring wheat condition ratings as of July 6 were 1 percent very poor, 2 poor, 12 fair, 60 good and 25 excellent compared to 8 percent very poor, 12 poor, 33 fair, 41 good and 6 excellent last year. The barley crop condition was rated 0 percent very poor, 1 poor, 10 fair, 63 good and 26 excellent compared to 5 percent very poor, 8 poor, 33 fair, 48 good and 6 excellent last year.

Development of most late season and oilseed crops remained ahead of last year and the five-year average. Six percent of the soybeans were blooming and beyond, ahead of the average of 4 percent. Forty-four percent of the flaxseed and 71 percent of the canola was blooming and beyond, also ahead of the average. Nine percent of the dry edible bean crop was blooming and beyond, compared with 11 percent last year and 8 percent average.

Crop condition ratings for late season and oilseed crops changed very little during the week. Soybeans were rated 82 percent good to excellent, up from 50 percent good to excellent at the same time last year. Corn was rated 81 percent good to excellent, compared to 45 percent good to excellent last year. The sunflower crop condition was rated at 2 percent poor, 19 fair, 61 good and 18 excellent.

**Livestock:** Pastures in the southwest and south central districts were starting to deteriorate from recent hot, dry conditions. Pasture conditions were rated 66 percent good to excellent, down from 75 percent good to excellent last week, but still remain better than last year's 14 percent good to excellent rating. Stockwater supplies were rated 1 percent very short, 6 short, 88 adequate and 5 surplus compared to 16 percent very short, 14 short, 68 adequate and 2 surplus last year. First cutting alfalfa was 79 percent complete, ahead of last year's 65 percent complete. Other hay baling was 45 percent complete compared to 28 percent complete last year. The hay crop was rated 71 percent good to excellent compared to 8 percent good to excellent last year.

Crop Development Progress <sup>1/</sup> July 6, 2003 with Comparisons				
Crop	This Week	Last Week	Last Year	1998-02 Avg.
(Percent)				
BARLEY				
Jointing	97	92	94	93
Boot	85	62	74	72
Headed	65	39	40	46
Milk	26	NA	15	15
DURUM WHEAT				
Jointing	85	69	80	79
Boot	54	37	45	50
Headed	27	15	16	23
Milk	6	NA	4	5
HRS WHEAT				
Jointing	96	88	91	92
Boot	82	64	69	73
Headed	62	37	45	52
Milk	24	NA	18	15
OATS				
Jointing	97	86	90	92
Boot	85	58	65	72
Headed	61	26	46	50
Milk	29	NA	20	17
CANOLA				
Rosette	96	87	96	96
Blooming	71	48	66	71
CORN				
Tasseling	1	0	1	1
DRY EDIBLE BEANS				
Blooming	9	1	11	8
FLAXSEED				
Blooming	44	8	28	29
POTATOES				
Blooming	47	8	14	23
Rows Filled	29	NA	9	19
SOYBEANS				
Blooming	6	1	3	4
SUNFLOWER				
Blooming	1	0	0	0

<sup>1/</sup> Crop development percents represent all acreage in or beyond each stage.  
NA = Not Available

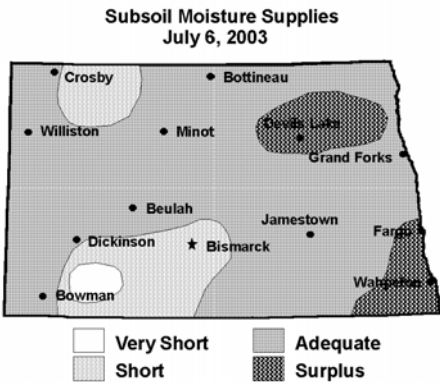
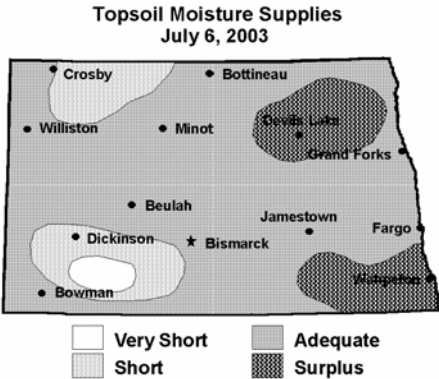
Crop and Pasture Condition Week Ending July 6, 2003					
Crop	Very Poor	Poor	Fair	Good	Excellent
(Percent)					
Barley	0	1	10	63	26
Durum Wheat	0	2	17	73	8
HRS Wheat	1	2	12	60	25
Oats	0	2	14	71	13
Canola	1	1	11	59	28
Corn, All	2	3	14	60	21
Dry Edible Beans	0	3	10	61	26
Flaxseed	0	2	20	61	17
Potatoes	0	0	10	64	26
Soybeans	3	3	12	58	24
Sugarbeets	0	1	12	57	30
Sunflowers	0	2	19	61	18
Hay	1	4	24	60	11
Pasture and Range	1	7	26	55	11

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Soil Moisture:

North Dakota, July 6, 2003

Date	V. Short	Short	Adq.	Surplus
(Percent)				
TOPSOIL				
This Week	3	13	71	13
Last Week	2	10	72	16
Last Year	21	24	50	5
98-02 Avg	5	11	73	11
SUBSOIL				
This Week	3	14	71	12
Last Week	2	13	71	14
Last Year	20	24	51	5
98-02 Avg	5	12	72	11



**Weather:** Extremely warm weather visited the state last week bringing highs well into the 90s in some areas. Cities such as Bowbells, Williston, Hazen, Watford City and Dickinson experienced maximum high temperatures greater than 95. Maximum temperatures for the week ranged from the upper 80s to upper 90s.

Not much rainfall was recorded for the week. Mohall reported 1.88 inches of precipitation last week being the only city to report rainfall amounts greater than 1.00 inch. Edgeley and Bowbells came close with 0.97 and 0.91 of an inch, respectively. Areas receiving greater than 0.50 of an inch include north central, Cando, Forest River, Grand Forks, Hazen, Hillsboro, Beach and Mandan. The remainder of the state received less than 0.50 of an inch of precipitation. Because of the lack of rainfall, many areas are still below average for precipitation or have fallen below. These areas include: the northwest, north central, Forest River, Langdon, west central, Carrington, all of the southwest except Beach and Linton. Minot, Baker, Bottineau, Watford City, Bowman, Dickinson, and Hettinger are all more than 2.00 inches below normal precipitation for this time of year.

**Outlook, July 7-13:** Expect cooler temperatures this week. Early in the week temperatures will not rise out of the 70s with the northern part of the state seeing upper 60s as daytime highs. Wednesday through Sunday highs will be back into the 80s across the state. Some portions of the state such as the southwest, south central and north central will be in the upper 80s midweek and could even see an isolated 90.

Precipitation amounts look to be the same, if not less, for the coming week compared to last week. The first chance of precipitation comes Tuesday with late afternoon thunderstorms possible in the afternoon out west and later that evening in the west and central portions of the state. All of North Dakota has a chance for showers Wednesday with lingering scattered morning thunderstorms in the east on Thursday. Expect dry conditions Friday through the weekend. Total precipitation amounts for the week could range from 0.50 of an inch in the east, north central and northwest to 0.75 of an inch in the southwest, central and west central to as much as 1.00 inch of rainfall in portions of central and south central North Dakota.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending July 6, 2003

District Averages	Average Temperature		Seasonal Precipitation Beginning March 29		
	Past Week	Depart Normal <sup>1/</sup>	Past Week	Total	Depart Normal <sup>1/</sup>
(Degrees F)			(Inches)		
Northwest (1)	72	4	0.74	5.39	-1.64
N. Central (2)	70	2	0.66	5.51	-2.09
Northeast (3)	70	1	0.50	7.51	0.20
W. Central (4)	72	2	0.48	6.58	-1.38
Central (5)	70	0	0.25	9.72	1.76
E. Central (6)	71	1	0.33	9.31	1.42
Southwest (7)	73	4	0.23	6.15	-1.83
S. Central (8)	72	1	0.39	7.92	0.40
Southeast (9)	73	3	0.57	11.82	3.66

<sup>1/</sup> Normal is the 1961-90 average. NA = Not Available.  
Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending July 6, 2003

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning March 29		
	High	Low	Past Week	Total	Depart Normal <sup>1/</sup>
(Degrees F)			(Inches)		
(1) Bowbells	97	49	0.91	4.13	-2.77
Williston	96	50	0.01	5.18	-0.86
Mohall	93	48	1.88	6.45	-0.89
Minot	92	52	0.14	5.81	-2.01
(2) Baker	87	54	0.60	6.39	-2.26
Bottineau	90	49	0.74	4.83	-2.62
Towner	94	46	0.63	5.31	-1.39
(3) Cando	86	50	0.80	7.29	0.05
Cavalier	89	52	0.29	8.13	0.43
Forest River	90	56	0.56	7.12	-0.38
Grand Forks	89	55	0.51	7.99	1.02
Langdon	86	49	0.47	6.85	-0.10
St. Thomas	86	52	0.38	7.66	0.16
(4) Hazen	97	47	0.88	7.15	-1.29
Turtle Lake	91	51	0.37	7.69	-0.40
Watford City	96	52	0.18	4.90	-2.44
(5) Carrington	87	52	0.19	7.69	-0.18
Harvey	88	52	0.13	9.84	1.90
Jamestown	89	54	0.28	12.19	4.69
Robinson	87	52	0.31	8.88	0.94
Streeter	87	54	0.35	10.00	1.46
(6) Dazey	88	51	0.18	9.27	1.21
Fargo	88	59	0.06	9.05	1.39
Hillsboro	87	53	0.75	9.61	1.66
(7) Beach	93	50	0.56	7.60	0.50
Bowman	95	48	0.12	5.64	-2.27
Dickinson	98	49	0.15	5.99	-2.25
Hettinger	95	53	0.09	5.36	-3.30
(8) Mandan	90	52	0.62	8.00	0.96
Linton	90	56	0.15	7.83	-0.16
(9) Edgeley	90	57	0.97	11.77	3.23
Oakes	92	53	0.44	12.04	4.05
Wyndmere	94	55	0.30	11.64	3.69

<sup>1/</sup> Normal is the 1961-90 average. NA=Not Available.  
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